



AMENDMENTS TO THE CLAIMS

The following is a complete listing of the pending claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Currently Amended) A method of processing soft handoff information at a base station, comprising:
receiving, at the base station, soft handoff information of a mobile station, the soft handoff information indicating at least a number of base stations in an active list of the mobile station, the active list being a list of base stations involved in a call of the mobile station;
applying a rules set to the soft handoff information to determine changes in the active list, the rules set requiring more stringent conditions be met to add a base station to the active list when the active list includes a first number of base stations as compared to when the active list includes a second number of base stations, the first number being greater than the second number; and
sending determination results to the mobile station; and
wherein the applying step
applies the rules set to base stations in a potentials list, the potentials list being a list of base stations which are potential base stations for the active list, and
swaps a potential base station from the potentials list with a base station in the active list if the active list is full and the potential base station has a signal strength a threshold greater than a signal strength of the base station in the active list.
2. (Cancelled)
3. (Currently Amended) The method of claim [2]1, wherein the potentials list is the candidate list in IS-95 standards.

4. (Original) The method of claim 1, wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains one base station and the potential base station has a signal strength greater than a first threshold.

5. (Original) The method of claim 4, wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains two or more base stations and the potential base station has a signal strength greater than a second threshold, the second threshold being greater than the first threshold.

6. (Previously Presented) The method of claim 5, wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains three or more base stations, the potential base station has a signal strength greater than the second threshold, and the signal strength of the potential base station is a third threshold greater than a signal strength of a base station in the active list.

7. (Previously Presented) The method of claim 5, wherein the signal strength of at least one of the base station in the active list is the weakest signal strength of base stations in the active list.

8. (Previously Presented) The method of claim 4, wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains two base stations, the potential base station has a signal strength greater than the first threshold, and the signal strength of the potential base station is a second threshold greater than a signal strength of a base station in the active list.

9. (Previously Presented) The method of claim 8, wherein the signal strength of at least one of the base station in the active list is the weakest signal strength of base stations in the active list.

10. (Original) The method of claim 4, wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains two or more

base stations, the potential base station has a signal strength greater than the first threshold, and the signal strength of the potential base station is greater than a signal strength of a base station in the active list.

11. (Previously Presented) The method of claim 10, wherein the signal strength of at least one of the base station in the active list is the strongest signal strength of base stations in the active list.

12. (Original) The method of claim 1, wherein the first number is two or more, and the second number is 1.

13. (Original) The method of claim 1, wherein the first number is three or more, and the second number is 1.

14. (Currently Amended) A method of processing soft handoff information at a base station, comprising:

receiving, at the base station, soft handoff information of a mobile station, the soft handoff information indicating at least a number of base stations in an active list of the mobile station, the active list being a list of base stations involved in a call of the mobile station;

applying a rules set to the soft handoff information to determine changes in the active list, the rules set requiring more stringent conditions be met to add a base station to the active list when the active list includes a first number of base stations as compared to when the active list includes a second number of base stations, the first number being greater than the second number; and

sending determination results to the mobile station,

wherein the applying step moves a potential base station from the potentials list to the active list when the active list contains three or more base stations[,] and the potential base station has a signal strength ~~having~~ a threshold greater than a signal strength of a base station in the active list.